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selected from the group consisting of repeats having binding activity, cofactor activity, and decay accelerating activity, wherein the substitution alters the activity of the naturally occurring complement regulatory protein, and complement regulating proteins consisting of as few as three short consenses repeats, wherein the protein [has complement regulatory activity] binds C3b, C4b or C3b and C4b.

13. (amended) The analog of claim 1 wherein the protein [comprises] has C3b coffector activity, C4b cofactor activity and decay accelerating activity.

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protein regulating complement activation having short consensus repeats of amino acid sequence selected from the group consisting of complement receptor 1, complement receptor 2, decay accelerating factor, membrane cofactor protein, C4 binding protein, and factor H, and these complement regulating proteins wherein the carboxy terminus is removed to allow the protein to be secreted, [wherein said] comprising constructing a DNA sequence encoding a protein analog [is] selected from the group consisting of complement regulating proteins containing short consensus repeats derived from a second, different complement regulating protein, complement regulating proteins wherein the short consensus repeats are rearranged, complement regulating proteins having defined amino acid substitutions in the short

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consensus repeats selected from the group consisting of repeats having binding activity, cofactor activity, and decay accelerating activity, wherein the substitution alters the activity of the naturally occurring complement regulatory protein, and complement regulating proteins consisting of as few as three short consenses repeats, wherein the protein [has complement regulatory activity] binds C3b, C4b, or C3b and C4b, and expressing the DNA sequence in a suitable host for expression of the protein.

28. (amended) The method of claim 16 wherein the protein [comprises] has C3b cofactor activity, C4b cofactor activity and decay accelerating activity.

analogs] an analog of claim 1.

inserted into an expression system vector operably linked to control sequences compatible with a compatible host which is capable, when transformed into [a compatible recombinant] the host cell, of expressing a DNA encoding [the] an analog of claim 1[; the expression system comprising a DNA encoding the analog operably linked to control sequences compatible with the host].

Please cancel claim 33.

34. (amended) A method for enhancing the C4b or C3b cofactor activity of a complement regulatory protein, wherein the

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